

Comm 83 poised to go into effect

Revisions to Comm 83, the Private Onsite Wastewater Treatment Systems (POWTS) code, could go into effect in June or July, 2000.

That is the estimate of Safety and Buildings Division staff after the final draft code passed review by two state legislative committees, and was formally adopted by the Secretary of the Department of Commerce, Brenda Blanchard.

Sent to the committees after several years of hearings and discussions, the final draft reflected input about earlier drafts from the public, code administrators, and legislators.

The code will be sent to the state Revisor of Statutes for legal printing and publishing. After printing, the code has a two-month delay before going into effect. There have been threats of lawsuits to stop implementation of the code.

As the first major changes of Comm 83 in almost two decades, the revisions address current health and safety issues and priorities, and reflect changing technologies, methods, and materials. The new code would notably cover use of modern POWTS

technologies that previously had not been available to owners of new construction.

For the purposes of local training, planning, and administration, until January 1, 2003 counties may control by ordinance use of some of these technologies for new construction. All the technologies will be available for use as replacement systems. Localities will continue oversight of holding tanks.

The code does not specifically dictate as many

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For example, there are lists of plumbers licenses and expiration dates.

Wisconsin Plumbing Codes Report

Safety and Buildings Division, Department of Commerce

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Waukesha Office
401 Pilot Ct # C
Waukesha WI 53188
414-548-8600
Fax 414-548-8614
waukeshasch@commerce.state.wi.us

Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, call the S&B office numbers listed above, or contact the email address shown. Fax scheduling is possible. Information about the project will be needed to schedule the plan review. Any of the offices can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For scheduling info, also see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Direct comments, address, suggestions for articles, etc., to Todd Taylor. Fax 608-264-8795. Telephone 608-267-3606.
ttaylor@commerce.state.wi.us/
Madison mailing address above.

Plumbing Consultants

Tim Joyce	Madison	608-825-4724
Don Kay	Green Bay	920-834-3093
Don Oremus	Pelican Lake	715-487-6123
Jim Wehinger	Friendship	608-339-7430
Jim Zickert	Eldorado	920-872-2656
Tom Bembnister, Superv.		715-726-4520

Plumbing Plan Reviewers

Ryan Boebel	Madison	608-261-6535
Herman Delfosse	La Crosse	608-789-5535
Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Dan Kraft	Madison	608-266-8075
Ken Pertzborn	Madison	608-267-2242
Mary Pfaff	Waukesha	414-548-8604
Robert Samuels	Waukesha	414-548-8634
Curt Wendorff	Shawano	715-526-9056

Plumbing Products Reviewers

Mike Beckwith	Madison	608-266-6742
Dan Jensen	Madison	608-267-5265
Glen Schlueter	Madison	608-267-1401

POWTS Plan Reviewers

Tom Devereaux	Hayward	715-634-3026
Wes Grube	Green Bay	920-492-5613
Julia Lewis	Waukesha	414-548-8638
Pete Pagel	Madison	608-266-2889
Mary Pfaff	Waukesha	414-548-8604
Jim Quinlan	Madison	608-266-3937
Pat Shandorf	Hayward	715-634-7810
Jerry Swim	La Crosse	608-785-9348
Keith Wilkinson	Shawano	715-524-3630

POWTS Wastewater Specialists

Ross Fugill	Shawano	715-524-3629
Leroy Jansky	Chippewa Falls	715-726-2544
Carl Lippert	Hayward	715-634-3484
Karl Schultz	Oshkosh	920-424-3311
Dennis Sorenson	La Crosse	608-785-9336
Duane Steiner	West Baraboo	608-355-3159
Allen Wendorf	Madison	608-873-5476
Harold Stanlick, Superv.		262-521-5065

Public Swimming Pool Reviewer

Dave Russell	Madison	608-267-3605
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The WPCR is a monthly publication delivered to about 9,700 people as part of their certification, license, or registration with the Wisconsin Department of Commerce, Safety and Buildings Division. Subscriptions are also available. SBD 8340P

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Comm 83

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installation mandates as in the past. Instead, the revised code allows owners and designers varying methods for treating wastewater in relation to individual site circumstances.

Maintenance of systems is a major aspect of assuring health and safety. People will be able to obtain a new credential to provide required monitoring and maintenance services for POWTS.

S&B is preparing training in the new code provisions. As it is available, more information will be printed in the *WPCR* and be posted on the S&B WebSite. That training will provide continuing education credits for many plumbing categories.

The final draft code now is posted on the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>. The date of availability of printed copies of the new code is uncertain. The printed copies will be announced in the *WPCR* and on the WebSite.

Technical questions on the code can be directed to

For those of you who receive the *WPCR* free because you have a particular license administered by the Safety and Buildings Division, for address changes contact the S&B Licensing Unit, madisoncred@commerce.state.wi.us, 608-261-8500.

For people with paid subscriptions, requests for service and address changes can be sent to Material Orders, phobbs@commerce.state.wi.us, PO Box 2509, Madison, WI 53701. Fax 608-261-6699. Telephone 608-267-4405.

Subscriptions are \$20, payable in advance to the Safety and Buildings Division for 12 monthly issues.

Roman Kaminski, S&B POWTS Program Manager, 715 345-5334, rkaminski@commerce.state.wi.us, or Jim Quast, Credentialing Program Manager, 608-266-9292, jquast@commerce.state.wi.us.

Revisions more clearly define combination plumbing/sprinkler systems, also make license code changes

A very important code change package involving combination fire sprinkler/plumbing systems in one- and two-family dwellings has been adopted by Department of Commerce Secretary, Brenda Blanchard.

The code revisions more clearly define combination systems as plumbing, meaning licensed plumbers must do the installation and maintenance work. Standards are specified for the systems when they are voluntarily installed by homeowners. Fire sprinkler systems are not mandated in one- and two-family dwellings.

The revisions to Comm 82, the Plumbing Code, and Comm 84, the Plumbing Products Code, passed review by legislative oversight committees. The effective date could be this spring, in May or June, after the legal process of printing and publishing.

The revision package also makes changes to Comm 5, the Credentialing Code, replacing the word "credential" with "license, certification, or registration," or with the specific word "license," "certification," or "registration," as applicable.

There are also Comm 5 changes relating to fire sprinkler licenses.

Under the current rules, any individual may apply for and take the license examination for an automatic fire sprinkler contractor. However, someone who

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Event Calendar

Contact the listed Code Consultant for information on the meetings agenda, locations, etc. If you have questions concerning technicalities of codes which are subjects of the meetings, contact consultants and reviewers listed on page 2 of this *WPCR*.

March 7, 2000 - Tuesday - **Commercial Building Code Council** and **Multifamily Dwelling Code Council** - 9:15 a.m. to 3 p.m. - Department of Agriculture, Trade, and Consumer Protection - 2811 Agriculture Dr, Rm. 106 - Sam Rockweiler, 608-266-0797, srockweiler@commerce.state.wi.us

March 16, 2000 - Thursday - **Plumbing Advisory Code Council** - 9 a.m. to 3 p.m. - Thompson Bldg., Rm. 3B, 201 W Washington Ave., Madison - Jean MacCubbin, 608-266-0955, jmaccubbin@commerce.state.wi.us

March 23, 2000 - Thursday - **Pool Code Advisory Council** - 9 a.m. - 3 p.m. - Sun Prairie Public Library - 1350 Linnerud Dr. - Jean MacCubbin, 608-266-0955, jmaccubbin@commerce.state.wi.us

March 28, 2000 - Tuesday - **HVAC Code Council** - 8:30 a.m - 2 p.m. - WHEDA Building, Rm. 3B, 201 W Washington Ave., Madison - Jean MacCubbin, 608-266-0955, jmaccubbin@commerce.state.wi.us

S&B Website: <http://www.commerce.state.wi.us/SB/SB-HomePage.html>

Sometimes, counting fixtures is key to plumbing plan review

Deciding whether a plumbing plan review is needed can depend on knowing what to count as a plumbing fixture, because there is a minimum threshold number of fixtures. Plumbing installations involving 11 or more plumbing fixtures currently must be submitted to the Safety and Buildings Division or an agent municipality for review and approval.*

Table 82.30-1 lists a few specific fixtures. Examples of plumbing fixtures not mentioned in Table 82.30-1, but which are included in counting fixtures to decide if a review is needed: sinks, tubs, floor drains, hose bibbs, sill cocks, wall hydrants, roof drains, exterior and interior storm water inlets, water heaters, or garage catch basins.

Most any device connected to the sanitary, potable water distribution, or storm water drainage systems in a public building is a fixture.

On the other hand, installation of some types of plumbing fixtures or systems must be submitted for review regardless of the number of plumbing fixtures involved. Those fixtures or systems, such as grease interceptors for public buildings, or private interceptor main sewers, are specifically listed in table 82.20-2.

For more information, contact any of the plumbing plan reviewers or consultants listed on page 2 of this *WPCR*.

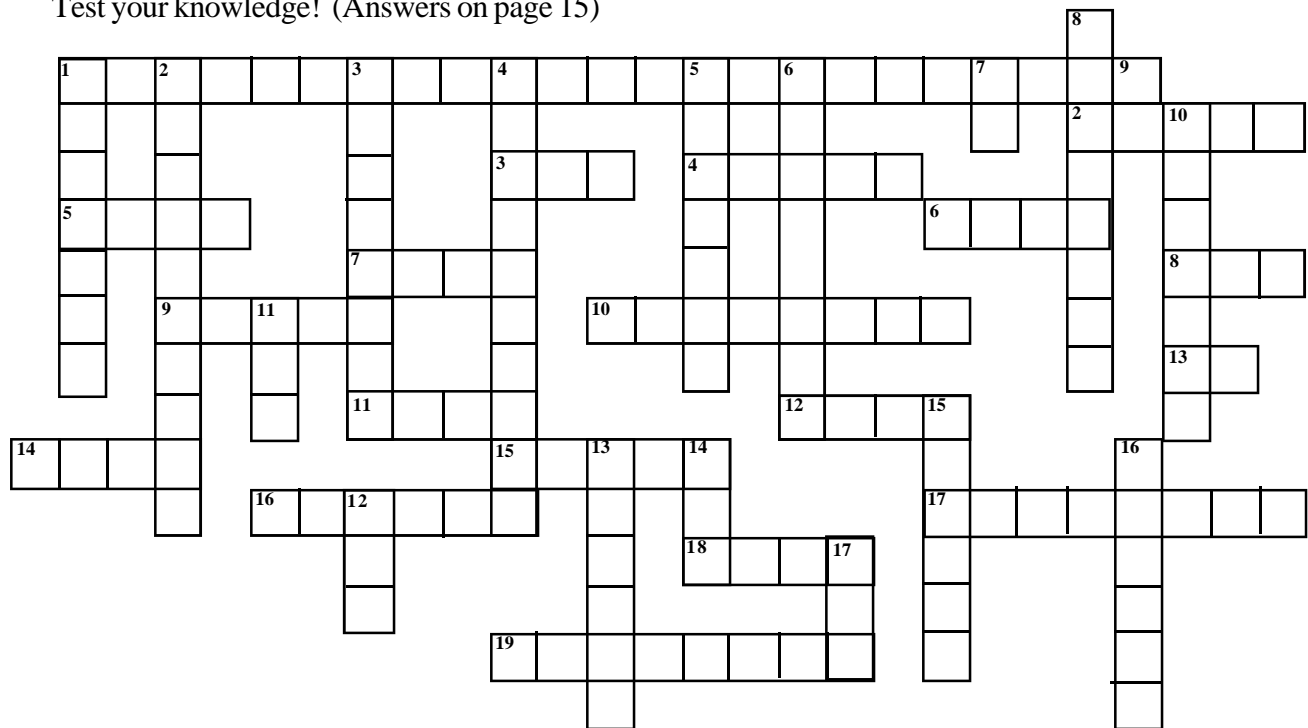
*Note that a fee change proposal being considered by S&B includes raising the review threshold to 16 fixtures. See last month's *WPCR*.

State administrative codes and the code update service may be purchased by contacting state Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases. ❖ ❖ ❖ ❖ ❖ ❖

Back-to-Basics

Plumbing Crossword Puzzle

Test your knowledge! (Answers on page 15)



Across

1. What's found in 82.10?
2. High POWTS
3. Permissive
4. A pretty dynamic, heady situation
5. A plumber when company's coming and the closet doesn't flush.
6. Type of water test result
7. Shady plant
8. Sanitation Foundation, backwards
9. Without a drop to drink
10. Coffee
11. Opposite of west
12. Separate mixture
13. Backflow prevention assembly
14. Branch is to system, as limb is to _____.
15. Used for turning corners
16. Contaminant in some drinking water and a piping material.
17. A cation exchange unit.
18. Passing required for success
19. The opposite of normal flow in water distribution systems.

Down

1. Rubber ducky world
2. Rain
3. Solder requirement
4. Field Operations Section Chief
5. Drinkable
6. Part of a device
7. A unit of acid or base
8. Not hot or cold
9. _____ what?
10. Plumbing code in Wisconsin
11. 3, 3" floor drains and a lav (dfu)
12. Contaminant in wells from leaky pumps
13. Several fixtures on a horizontal drain
14. Type of vent
15. Top dog in plumbing field
16. Plumbers protect the _____ of the nation
17. Another word for pull

Pedestal shampoo bowls and circular wash fountains can be installed with greater vertical distances from the trap line

Circular wash fountains and pedestal shampoo bowls may be installed with a maximum vertical distance of 36 inches to the center of the trap outlet. Because of the construction of these fixtures, the 36 inch vertical distance exception is necessary to allow their

installation as a pedestal fixture.

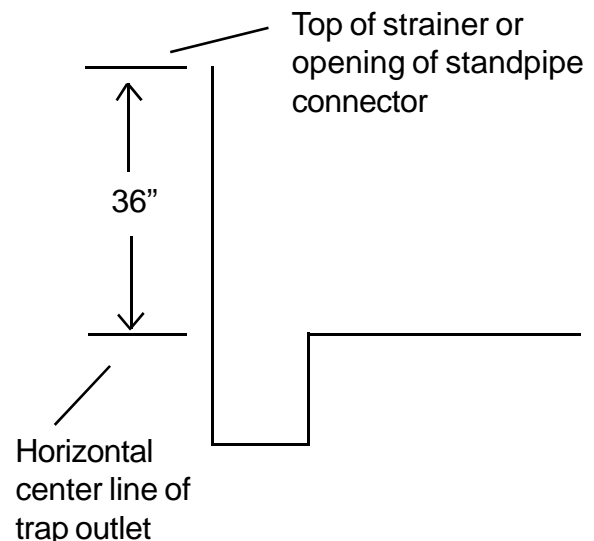
Comm 82.32(4)(b)1 contains requirements for the vertical distance from fixture or drain inlets to the horizontal center line of

the trap outlet. This code section states that the maximum vertical distance from the fixture drain



outlet to the center of the trap outlet is 15 inches, with a few exceptions. One of the exceptions is for floor drains and standpipe receptors: “The vertical distance between the top of the strainer of a floor drain or the opening of a standpipe receptor and the horizontal center line of the trap outlet shall not exceed 36 inches”

If you have questions regarding the installation of the pedestal shampoo bowl or the circular wash fountain, contact Curt Wendorff at (715) 526-9056 or Cwendorff@Commerce.state.wi.us.



Questions about your continuing education credits?

Check the mailing address back page for a printed line giving your status for plumbing-related S&B certifications, licenses, and registrations. Or, call the Credentialing Section, 608-261-8500.

Safety and Buildings-related codes are on the Internet

<http://www.legis.state.wi.us/rsb/code/comm>

Not all codes are available electronically. Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

RP valves don't magically change potable water to nonpotable

by Jim Wehinger, S&B Plumbing Consultant,
jwehinger@commerce.state.wi.us, 608-339-7430

Recent inquiries to the Safety and Buildings Division asked when and how to label piping downstream of a backflow preventer such as a reduced pressure principle backflow preventer (RP).

If you are confused, you are not alone. There is a misconception about this issue.

The misconception is; "Anytime a RP is installed in a piping system, the downstream piping must be labeled as "Nonpotable." **That's not correct.**



The RP in itself does not miraculously change the downstream water from potable to nonpotable. The purpose of a RP is to stop the unwanted reverse flow in a piping system. The materials used in the construction of the piping system, and what the water is

actually being used for, determine whether the water is potable or nonpotable.

For example, a piping system installed to provide potable water to plumbing fixtures or appliances, and having individual protection at each point of use, would comply with the code as a potable water piping system. The installation of a RP in this system in advance of the connection of any fixture or appliance would change nothing; the use remains potable.

An RP can be installed as a containment assembly, in addition to the required isolation backflow protection at each point of use. It is sort of an insurance policy or back-up to the isolation. The RP for this type of installation should be labeled "FOR CONTAINMENT PURPOSES ONLY" to indicate its use on a potable system, and hopefully to help prevent mistaken nonpotable connections downstream.

Comm 82.41(3) requires "Isolation," or individual protection of the potable water supply at each point of use for each fixture, each piece of equipment, or each appliance requiring potable water.

As the designer or installer, you may chose to use containment in addition to isolation for a particular piping system. However, the choice of labeling would not change to nonpotable because of the containment installation of an RP. Remember, the code requires that plumbing fixtures and appliances be provided with only potable water.

Note: Comm 82.41(3)(c) requires containment in addition to isolation only for waste water treatment plants and marinas.

A single RP installed to serve multiple outlets not requiring potable water would be a nonpotable piping system. A nonpotable piping system could supply water to things such as seal lubricating water on raw sewage pumps, or boilers for heat.

Looking at other code requirements, in part: Comm 82.40(3)(a) *Potable water required*. Every piece of equipment used in the preparation or processing of food, medical or pharmaceutical products, and every plumbing fixture and appliance which demands a supply of water, shall be provided with only potable water.

Comm 82.40(3)(d), *Identification*. 1. Where a building or a structure is served by a nonpotable water distribution system and a potable water distribution system, each distribution shall be identified in accordance with this subdivision.

a. All above ground piping supplying nonpotable water shall be identified nonpotable by tags or yellow bands. The yellow bands shall be at least 3 inches wide.

b. All above ground piping supplying potable water shall be identified by tags or green bands. The green bands shall be at least 3 inches wide.

continued on next page

Some POWTS systems may be under scrutiny as injection wells

by Roman Kaminski, S&B POWTS Program Manager, rkaminski@commerce.state.wi.us, 715-345-5334

Class V injection wells are typically shallow disposal systems that are used to place a variety of fluids below ground surface. Injection wells are regulated by the federal Environmental Protection Agency and the states, through what is known as the Underground Injection Control (UIC) program.

Recently, the EPA issued new regulatory requirements intended to protect public health and the environment by eliminating or reducing injection of wastes from large capacity cesspools and motor vehicle waste disposal wells.

Large-capacity Cesspools

- New cesspools are prohibited nationwide as of April 2000.
- Existing cesspools will be phased out nationwide by April 2005.

RP valves and labeling water systems

continued from previous page

To summarize:

1. Every plumbing fixture and appliance shall be provided with only potable water,
2. If a building or structure has multiple piping systems, one which carries nonpotable water, and one which carries potable water, each piping system shall be identified (labeled) as either nonpotable or potable.
3. Each plumbing fixture, each piece of equipment, and each appliance shall be provided with a means of individual backflow protection (isolation).
4. A means of backflow protection shall be provided for each nonpotable piping system (containment).

“(T)here are quite a few service stations, garages, and other facilities that are served by onsite sewage systems that may meet the definition of a “Motor Vehicle Waste Disposal Well.”

Motor Vehicle Waste Disposal Wells

- New wells are prohibited nationwide as of April 2000.
- Existing wells in regulated areas will be phased out, but owners and operators will be able to seek a waiver and obtain a permit.

Staff of the Wisconsin Department of Natural Resources indicate they are not aware of any “large-capacity cesspool” installations. However, there are quite a few service stations, garages, and other facilities that are served by onsite sewage systems that may meet the definition of a “Motor Vehicle Waste Disposal Well.” DNR staff further indicate that in the near future they will develop and present guidance regarding this issue.

Anyone who is considering installing a new or replacement onsite sewage system that could be classified as a Motor Vehicle Waste Disposal Well should contact the DNR early in their planning process about what type of onsite sewage system would be acceptable for their facility.

For example, depending on the type of wastewater being generated in a service station, garage, or even a town hall that has a storage facility for town mechanical equipment, it may be necessary to segregate the waste stream. The “domestic wastewater” could be routed to a traditional soil-based sewage disposal system while the “non-domestic wastewater” (from the garage area) may have to be routed to a holding tank system.

The federal regulations that cover Class V Injection Wells are available on the EPA’s website at www.epa.gov/safewater/uic.html#classv.

I will provide updates in future WPCR issues.



Safety and Buildings Division Home Page

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More information available from new division home page

More information is now available on the Internet from the Safety and Buildings Division's new Home Page, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>.

The new Home Page is based on S&B experience with what our WebSite users are requesting. Also, more initial choices are offered in an effort to shorten the path to specific points.

It is important that users provide feedback on S&B WebSite improvements they think of or about any problems encountered. Each page on the WebSite has an email link to a person responsible for the page. Not every problem can be solved, and S&B resources are limited; however the division gets its best suggestions from customers.

The division has retained the S&B first page that has been offering five paths into various S&B information, retaining an address WebSite users have set as a favorite or bookmark. That first page's address is <http://www.commerce.state.wi.us/COM/Com-Safety-and-Buildings.html>.

What can you find, where?

About S&B is a general outline of what the Safety and Buildings Division does, with email contact links to the division's managers.

Contacts provides several ways to contact individual S&B staff, a listing

continued on page 2

[http://
www.commerce.
state.wi.us/SB/SB-
HomePage.html](http://www.commerce.state.wi.us/SB/SB-HomePage.html)

You don't use a computer?

While S&B is trying to satisfy many requests for more information on the Internet, if you couldn't care

less about computers, the division doesn't discount your needs.

If you need information from S&B, contact the people listed on page 2 of this *WPCR*.

S&B WebSite renewed

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of who can answer questions about various topics, listings of staff responsibilities - by county, by inspector, and by program district maps.

Programs links to pages for about 30 individual S&B programs.

Forms offers some of the division forms for printing off or downloading, in Portable Data Format (PDF), and as Word 97 files. These forms are not set up to be filled in and submitted via the WebSite.

Events lists meetings of advisory code committees and councils, and of code hearings.

Code Changes contains the most recent code hearing announcements and code proposal drafts.

Plan Review Appointments offers a calendar of when plan review appointments are available in each S&B plan review office, with an ability to email or

fax appointment information.

Publications includes the latest issues of the *Wisconsin Building Codes Report*, the *Wisconsin Plumbing Codes Report*, *Mine Safety Newsletter*, and *Rental Energy Efficiency Newsletter*, plus access to archives of some previous issues.

Codes provides links to copies of codes S&B administers, and to sources of state government code-related information.

Office Locations provides address, contact information, and some maps for S&B offices.

Help for Site Users gives tips on using the S&B WebSite.

Explanation of File Formats provides info on different kinds of files used on the S&B WebSite and several links to free software that assist use of S&B files.

Feedback offers an opportunity to send email to the division concerning the WebSite.

Well Pump Electrical Question



A **submersible well pump** with two-wire well cable is replaced. Does the new pump require an equipment-grounding conductor? If so, where should the equipment ground be connected if the branch circuit cable does not have an equipment-grounding conductor?

Yes to the first question. See NEC 250-112(1). The second answer: the new cable should have an equipment-grounding conductor

connected to the pump. If the branch circuit cable has an equipment-grounding conductor, connect the two together inside the well cap. Use a bonding jumper to connect the well casing to the two equipment grounds. If the branch circuit cable does not have an equipment ground, **do not** connect the pump-grounding conductor to the casing. Tape it off inside the well head for future connection when branch circuit conductors are replaced.

S&B Bureau of Integrated Services Management Contacts

Bureau Director: Randy Baldwin, 608-267-9152

Green Bay Office: Brad Johnson, 920-492-5605

Hayward Office: John Spalding, 608-789-4693

LaCrosse Office: John Spalding, 608-789-4693

Shawano Office: Brad Johnson, 715-524-6853

Waukesha Office: Tony Rubio, 262-548-8610

Madison Office:

Clyde Bryant 608-266-1835

Mary Jacobson 608-266-8456

Jim Miller 608-266-8072

Robin Zentner 608-266-1930

Credentialing Unit Supervisor, Terry

Gudmansen: 608-261-6554

March 2000 is the time to be aware of the status of plumbing licenses

Safety and Buildings Division staff have noticed a considerably higher number of plumbing license requests for petitions for late renewal, late continuing education, and or reexamination, compared to requests from other license categories. Some of these requests came from people who worked more than a year without realizing their license expired.

To heighten awareness of having current credentials, S&B is asking the plumbing industry in general to pay extreme attention during the month of March to assuring all submitted plans, requests for permits, and installations are done by properly-licensed people.

Check your card first. Many plumbing licenses expire March 31. Are all your licenses current? Are some nearing expiration? Do you still need more continuing ed credits. Have you seen a renewal application.

Ask people you work with. Do they all have the proper license to do the work assigned, work for which a Master is ultimately legally responsible? It is not only the law, but also good business practice to only hire properly-licensed staff, for more assurance of work done correctly. Employers and employees need to think about liabilities and legal action for license violation, poor work, or lien problems.

Plan reviewers and inspectors will make special efforts in March to check the status of credentials on projects they encounter.

Check people around you. To meet daily customer requests for credential status information (and cut down on the number of phone calls S&B receives) has lists of people with current plumbing credentials on the S&B WebSite, either from

☞ The Plumbing Program Page, <http://www.commerce.state.wi.us/SB/SB-PlumbingProgram.html>,

☞ The POWTS Program Page, <http://www.commerce.state.wi.us/SB/SB-POWTSProgram.html>,

☞ The Credential Program Page, <http://www.commerce.state.wi.us/SB/SB-CredentialProgram.html>,

☞ Or, directly, <http://www.commerce.state.wi.us/SB/SB-PlumbingPowtsCredentialList.html>.

The lists will be updated after monthly exams are graded and new credentials issued. Since S&B issues new licenses each work day, WebSite lists may not be complete at all times.

For more information, contact the S&B Licensing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.

Code revisions

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wishes to take the license exam for a journeyman automatic fire sprinkler fitter must first have completed a sprinkler system apprenticeship. The new rules contain specific training and experience qualifications for individuals applying for the automatic fire sprinkler contractor license.

The new rules also specify the hours of continuing education required for renewal of automatic fire sprinkler contractor licenses, journeyman automatic fire sprinkler fitter licenses, and automatic fire sprinkler contractor-maintenance registrations.

In accordance with new state laws, the new rules set requirements when an applicant or licensee does not provide required information, is delinquent in required payments, or fails to comply with a subpoena or warrant.

The person must provide their social security number or federal employer identification number..

The person must not be delinquent in tax payments or child support payments.

And the person must not have failed to comply with a subpoena or warrant issued by the state Department of Workforce Development or a county child support agency relating to paternity or child support proceedings.

License Violation Reports, April 1, 1999 - November 30, 1999

This is a list of people who received License Violation Reports from inspectors during the period April 1, 1999 to November 1, 1999. None of these recipients contacted the Safety and Buildings Division contesting the report.

Unlawful Hiring

<u>Date of Violation</u>	<u>Last Name</u>	<u>First Name</u>	<u>City</u>	<u>Municipality</u>
9/29/99	JENTINK	SCOTT	HINGHAM	SHEBOYGAN
4/8/99	LASTER	ALVIN	MILWAUKEE	MILWAUKEE
9/10/99	MC HUGH	DAN M	ONALASKA	MAUSTON
4/29/99	MURDOCK	KEITH	TOMAH	WARRENS
11/2/99	PECHA	TODD	BLOOMER	EAU CLAIRE
11/2/99	PECHA	TERRY	BLOOMER	EAU CLAIRE
8/11/99	REDINGER	EDWARD	MARENGO	ASHLAND

Wrong License

<u>Date of Violation</u>	<u>Last Name</u>	<u>First Name</u>	<u>City</u>	<u>Municipality</u>
9/30/99	DUITMAN PLBG		FOND DU LAC ..	FOND DU LAC
9/30/99	LAKE	WAYNE	GRANTSBURG ..	GRANTSBURG
8/19/99	MADSEN	WILLIAM R	RACINE	OAK CREEK
5/6/99	MULLNER	BILL	LOCKPORT	ARBOR VITAE
4/27/99	RING	BRIAN P	DE FOREST	WESTPORT
7/30/99	ROBINSON	RICHARD T	LA CROSSE	LA CROSSE

Other or multiple

<u>Violation Date</u>		<u>Last Name</u>	<u>First Name</u>	<u>City</u>	<u>Municipality</u>
6/28/99	No License Advertising	MCNAMARA JR	MARLYN	CADOTT	
9/17/99	No License Wrong License	SCHMIDT	JAMES J	APPLETON	APPLETON
10/20/99	No License Wrong License	SCHROEDER	MARK	P. EDWARDS	EAU CLAIRE
6/15/99	No License Wrong License	MELL	BRANDEN	DULUTH	SUPERIOR

No License

<u>Date of Violation</u>	<u>Last Name</u>	<u>First Name</u>	<u>City</u>	<u>Municipality</u>
10/26/99	ANDRE	JOHN V	EAU CLAIRE	EAU CLAIRE
5/5/99	BAILEY	JIM C	WOODRUFF	
8/25/99	BALDE	FRED	PLYMOUTH	ADELL
4/29/99	BAUER	DENNIS	WARRENS	WARRENS
4/29/99	BAUER	TOM	TOMAH	WARRENS
10/20/99	BOGART	JAMES F	AUGUSTA	EAU CLAIRE
11/9/99	BRUHN	DAVID	TWO RIVERS	TWO RIVERS
8/23/99	CARTER	IVY	MILWAUKEE	MILWAUKEE
4/27/99	CORNWALL	DAREN		WESTPORT
9/10/99	DEAN	DENNIS J	S. MILWAUKEE ..	OAK CREEK
11/2/99	DELFIELD	STEVE	FOND DU LAC ..	FOND DU LAC
9/1/99	DOWNEY	JIM	SPOONER	LADYSMITH
4/6/99	GABBERT	JAY A	PLOVER	STEVENS POINT
9/9/99	GERKE	RICHARD	TOMAH	VIROQUA

No License, cont.

<u>Date of Violation</u>	<u>Last Name</u>	<u>First Name</u>	<u>City</u>	<u>Municipality</u>
10/6/99	HANSEN	ERIC	KENOSHA	KENOSHA
5/3/99	HEINDL	DAVID E	KAUKANA	GREENVILLE
7/15/99	HEINIG	SCOTT G	PLYMOUTH.....	RHINE
8/11/99	JACOBSON EXCAVA		V. HEIGHTS	RIVER FALLS
10/18/99	JERECZEK	ARVID N	EAU CLAIRE.....	EAU CLAIRE
8/11/99	JOHNSON	CRAIG	IRON RIVER	ASHLAND
4/27/99	JOHNSON	CURTIS E	SUN PRAIRIE.....	WESTPORT
7/21/99	JOHNSON	JAY	MADISON	FITCHBURG
6/5/99	KEANE	JAMES M	THREE LAKES ..	RHINELANDER
4/8/99	KING JR	LOVELL	MILWUAKEE	MILWAUKEE
4/8/99	KOSIDOWSKI ..	JAMES C	MERCER	MERCER
9/29/99	LAWRENCE	RICHARD	SHEBOYGAN.....	SHEBOYGAN
9/21/99	MAASS	FRANCIS G	FORT ATKINSON	MEQUON
4/12/99	MAHN	TROY	MENASHA	SHEBOYGAN
6/1/99	MANSKE	LESTER	STODDARD	LA CROSSE
5/10/99	MUCHE	BILL	MAYVILLE.....	OHAWA
5/10/99	MUCHE	BILL	MAYVILLE.....	OHAWA
10/8/99	PELOCK	DENNIS	GAYS MILLS	MOUNT STERLING
9/24/99	PENMAN	GARY G	HAYWARD	LENROOT
9/27/99	PERSCHKE	KLAUS A	N FOND DU LAC	FOND DU LAC
10/25/99	SCHOTT	J BRIAN	VIROQUA	EAU CLAIRE
9/27/99	SCHULTZE	JOHN	LITTLE CHUTE ..	MANITOWOC
5/3/99	SHEFCHIK	TONY	GREEN BAY?	GREEN BAY?
5/12/99	SMITH	LLOYD	MAUSTON	FOUNTAIN
5/3/99	SPOEHR	DONALD T	NEW LONDON ..	GREENVILLE
5/4/99	SPOEHR	DONALD T	NEW LONDON ..	GREENVILLE
9/29/99	TEBBIN	VERN	STILLWATER	LENROOT
9/16/99	TRIER WEILER	CONST	MARSHFIELD	MARSHFIELD
9/10/99	TYLKA	ANDREW	HOLMEN	MAUSTON
10/8/99	WALDNER	DAN	RICHLAND CENTER	
10/19/99	WELD	RICHARD G	EAU CLAIRE	EAU CLAIRE
10/20/99	WELD	RICHARD G	EAU CLAIRE	EAU CLAIRE
4/27/99	WEST	SHANE T	MADISON	WESTPORT
9/10/99	WIATT	RAY	LA CROSSE	MAUSTON
4/26/99	WIZA	BRUCE A	STEVENS POINT	CARSON
5/4/99	ZITZELSBERGER	DAVID D	MENASHA	FREEDOM
5/4/99	ZITZELSBERGER	DAVID D	MENASHA	FREEDOM

No license: Does not possess a valid license, certification, or registration required under chapter 145, Wisconsin Statutes, while involved in the activity. **Wrong license:** Possesses a valid license, certification, or registration issued under chapter 145, Wisconsin Statutes, but involvement in the activity is beyond the scope of the credential. **Unlawful hiring practice:** An individual possessing a license, certification, or registration issued under chapter 145, Wisconsin Statutes, employs, allows, or directs another individual who does not possess a valid and/or appropriate credential required for the activity. **Advertising:** The advertisement offering to provide plumbing services does not conform with the specification of section 145.11, Wisconsin Statutes.

Employment Opportunity

(See more opportunities, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>)

Private Sewage Plan Reviewer 2- Stevens Point

Department of Commerce; Division of Safety and Buildings Division, Field Operations Bureau, Stevens Point. Salary: \$35,579 per year plus excellent benefits. This classification is included in the Technical Bargaining unit of the Wisconsin State Employees Union (WSEU). **Duties:** Conduct soil and site investigations for proposed unsewered plats and individual private sewage sites; inspect private sewage systems under construction and existing systems to determine compliance with health and safety codes. Examine plans for private sewage systems to determine compliance with Chapt. 145, Wis. Stats and Chpts. Comm 82-84, Wis. Adm. Codes. Make final determinations for petitions for variance; provide consultative services to engineers and other professionals concerning code enforcement and design issues; develop and present technical training sessions; enforce related statutes and administrative rules. Well-qualified candidates will be licensed as a Master or Journey Plumber or Soil Scientist, registered as a Designer of Engineering Systems, Professional Engineer (PE, EIT) and/or have post-secondary education in a relevant field. All candidates must be certified as a Private On-site Wastewater Treatment Systems (POWTS) Inspector AND Certified Soil Tester or have the ability to obtain certification within 6 months of hire. **Knowledge and skills:** Wisconsin Uniform Plumbing Code (Comm 82-87) with emphasis on the private on-site wastewater treatment systems Code (Comm 83;) Wisconsin Administrative Code COMM 3 and 5; and State Statutes (101, 145, 236, and 254) governing plumbing credentialing and plumbing design and installation techniques; Soil / site analysis principles and techniques; engineering principles involved in plumbing; skill in preparing, reading and interpreting blueprints, designs, plans and specifications for plumbing systems; groundwater monitoring systems and hydrologic and pneumatic principles and practices as they relate to plumbing systems; computations and calculations involved in plumbing; flow theories used in engineering for the plan review function; and effective oral, written and interpersonal communication techniques. Candidates must have a valid Wisconsin Driver's license or be able to obtain one. The ability to maneuver around varied terrain, climb, stoop, and bend and work out of doors for periods of time to conduct field inspections is required. **How to Apply:** For additional information, contact: Dale Bartz; Commerce Human Resources; 201 W. Washington Ave; PO Box 7970; Madison, WI 53707-7970; e-mail: dbartz@commerce.state.wi.us ; phone: 608-266-0366; FAX 608-266-0182.

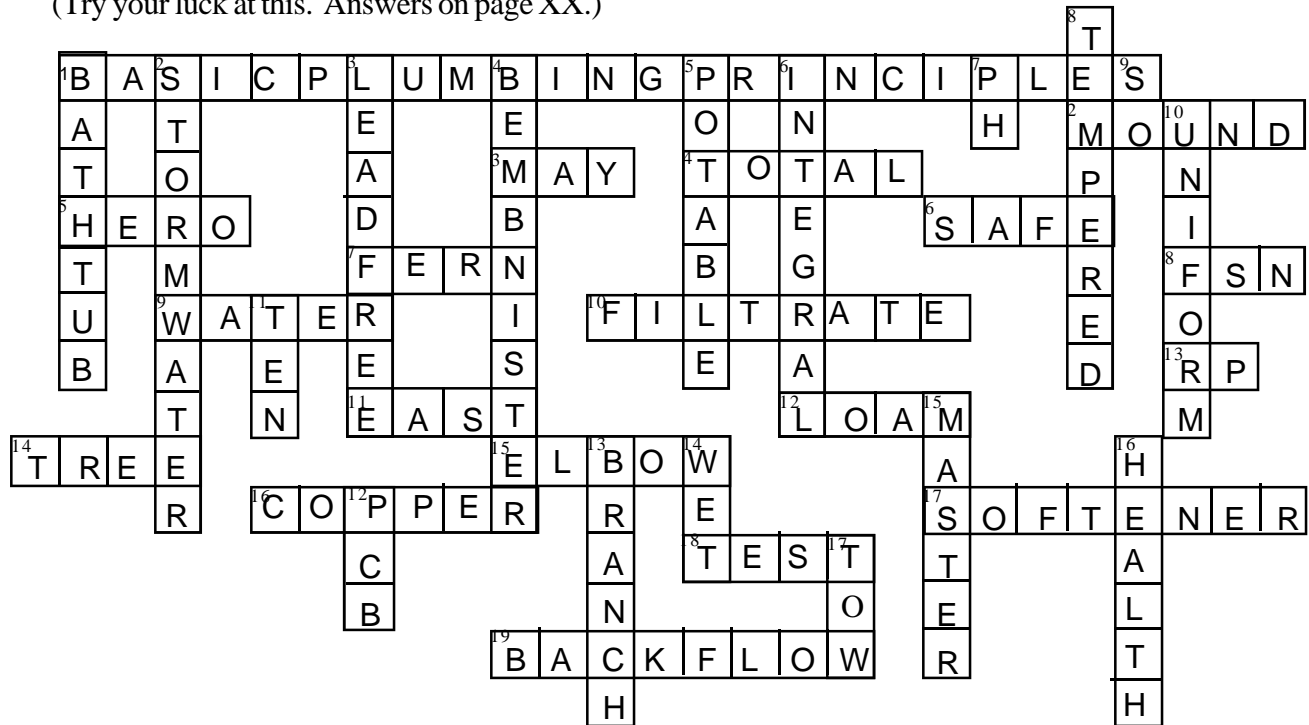
Fifteenth annual POWTS Management Teleconference - ETN

The POWTS Management teleconference is scheduled for Wednesday, March 22, 8:30 am - 10:20 am. The audio teleconference provides a convenient and timely interaction about POWTS research, codes, and educational opportunities. The session provides 1.5 credit hours for MP, MPRS, JP, JPRS, PI, and CST credentials. The Educational Teleconference Network (ETN) is a statewide party line of two-way speaker telephones. An ETN participation site is available in each county. For registration or additional information, contact Joyce McConnell or Jim Peterson at UW-Madison Env. Resources Center, 608 262-0020; Fax 262 2031; email jopeters@facstaff.wisc.edu. Check website: <http://www.wisc.edu/sswmp/> for additional educational opportunities.

Back-to-Basics

Plumbing Crossword Puzzle

(Try your luck at this. Answers on page XX.)



Across

1. What's found in 82.10?
2. High POWTS
3. Permissive
4. A pretty dynamic, heady situation
5. A plumber when company's coming and the closet doesn't flush.
6. Type of water test result
7. Shady plant
8. Sanitation Foundation, backwards
9. Without a drop to drink
10. Coffee
11. Opposite of west
12. Separate mixture
13. Backflow prevention assembly
14. Branch is to system, as limb is to _____.
15. Used for turning corners
16. Contaminant in some drinking water and a piping material.
17. A cation exchange unit.
18. Passing required for success
19. The opposite of normal flow in water distribution systems.

Down

1. Rubber ducky world
2. Rain
3. Solder requirement
4. Field Operations Section Chief
5. Drinkable
6. Part of a device
7. A unit of acid or base
8. Not hot or cold
9. ____ what?
10. Plumbing code in Wisconsin
11. 3, 3" floor drains and a lav (dfu)
12. Contaminant in wells from leaky pumps
13. Several fixtures on a horizontal drain
14. Type of vent
15. Top dog in plumbing field
16. Plumbers protect the ____ of the nation
17. Another word for pull

WPCR - February
Safety and Buildings Division
201 W Washington Ave
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